```
1  <?xml version='1.0'?>
2  <xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3  <xsl:param name="doc-file"/>
4  <xsl:param name="currentLocale"/>
5  <xsl:template match="text()|@*">
6  <xsl:value-of select="."/>
7  </xsl:template>
8  <xsl:template match="*|node()" priority="1">
9  <xsl:copy>
10 <xsl:copy-of select="@*"/>
11 <xsl:apply-templates/>
12 </xsl:copy>
13 </xsl:template>
14 <xsl:template match="/">
15 <xsl:apply-templates/>
16 </xsl:template>
17 <xsl:template match="*[@nlsid]" priority="5">
18   <xsl:copy>
19     <xsl:copy-of select="@*"/>
20     <xsl:apply-templates select="./*"/>
21     <xsl:variable name="myKey" select="@nlsid"/>
22     <xsl:choose>
23       <xsl:when test="document($doc-file)/locale/*[name()=$myKey]">
24         <xsl:value-of select="document($doc-file)/locale/*[name()
25 =$myKey]/*[name()=$currentLocale]"/>
26       </xsl:when>
27       <xsl:otherwise>
28         <xsl:value-of select="."/>
29       </xsl:otherwise>
30     </xsl:choose>
31   </xsl:copy>
32 </xsl:template>
33 </xsl:stylesheet>
```
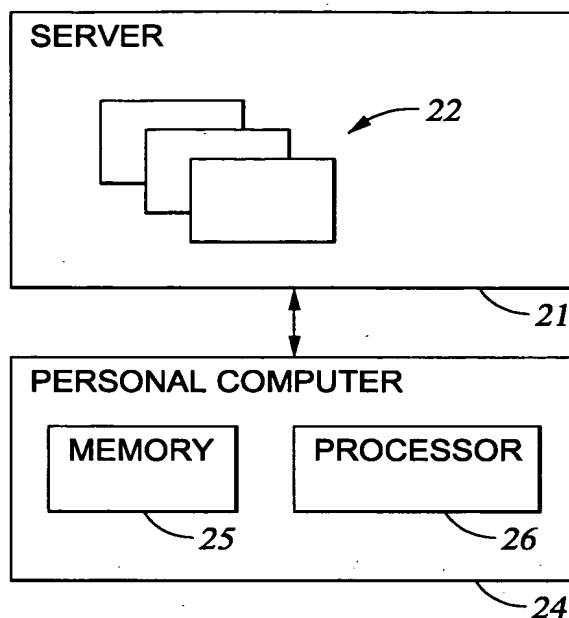
Fig. 1

Fig. 2

SERVER

22

21

PERSONAL COMPUTER

MEMORY	PROCESSOR

25

26

24

Fig. 3

START

CREATE A PAGE — 31

CREATE A CORRESPONDING STYLE SHEET — 32

CREATE A DICTIONARY — 33

RECORD INPUT TO TRANSLATE — 34

APPLY STYLE SHEET TO TRANSLATE — 35

DISPLAY TRANSLATED RESULTS — 36

DONE

```
        ( START )
            │
            ▼
CREATE TEST PAGE AND CORRESPONDING TAGS ─── 41
            │
            ▼
  INSERT MUSIC INTO SOUND PAGE ─── 42
            │
            ▼
        ( DONE )
```

Fig. 4

```
        ( START )
            │
            ▼
DETERMINE WHICH TERMS ARE TO BE TRANSLATED ─── 51
            │
            ▼
  DETERMINE THE TARGET LANGUAGE ─── 52
            │
            ▼
     DETERMINE DICTIONARY ─── 53
            │
            ▼
INDEX INTO DICTIONARY FOR TERM TO BE TRANSLATED ─── 54
            │
            ▼
INDEX TO CHILDREN OF ROOT TO
GET TARGET LANGUAGE TRANSLATED ─── 55
            │
            ▼
RETURN TARGET LANGUAGE THRESHOLD
TO TARGET PAGE FOR DISPLAY ─── 56
            │
            ▼
        ( DONE )
```

Fig. 5

```
1  <html>
2  <head>
3  <xml id="logon">
4  <logon>
5      <userid>menke</userid>
6  </logon>
7  </xml>
8  <!-- This is just some comments -->
9  </head>
10 <body onloads="registercallbacks()">
11 <div nlsid="openDescription"/>
12 <form id="logon">

13 <label nlsid="userid"/>
14 <input type="text" dataSrc="logon" dataFld="userid"/>

15 <br/>
16 <label nlsid="password"/>
17 <input type="text" dataSrc="logon" dataFld="password"/>
18 <br/>
19 <button nlsid="logonbutton" type="submit" onclick="logonHandler()"/>

20 <p/>
21 <div nlsid="description"/>
22 <ol>
23 <li nlsid="chgpwd"/>
24 <li nlsid="updateAddress"/>
25 </ol>
26 </form>
27 </body>
28 </html>
```
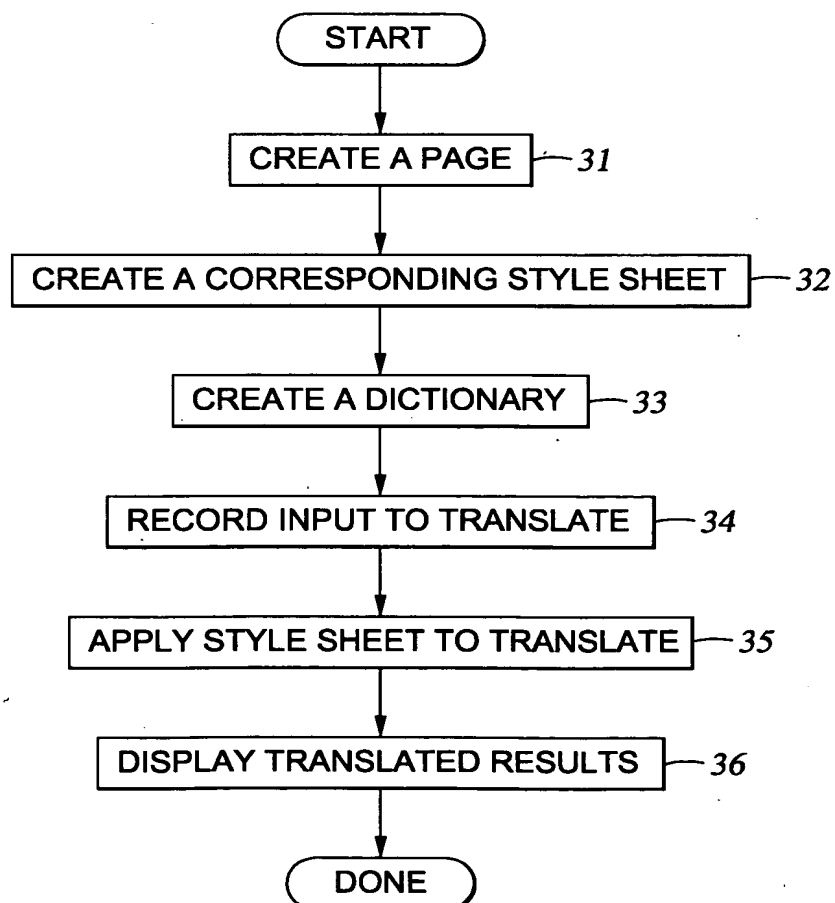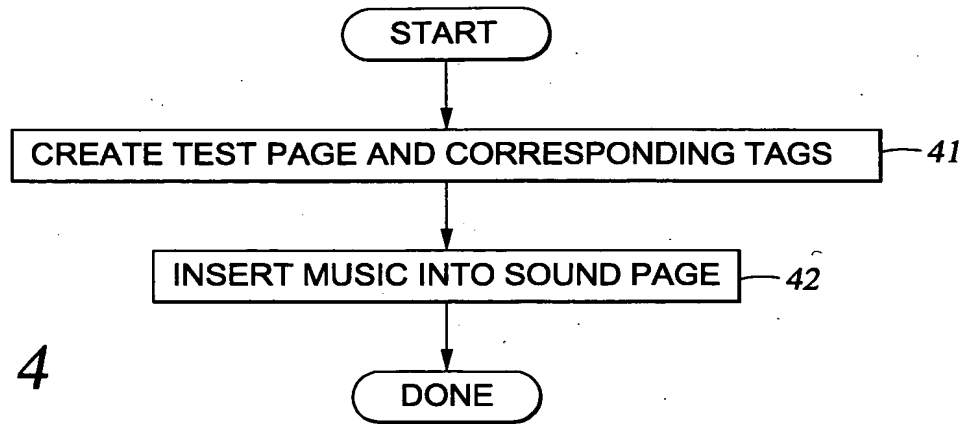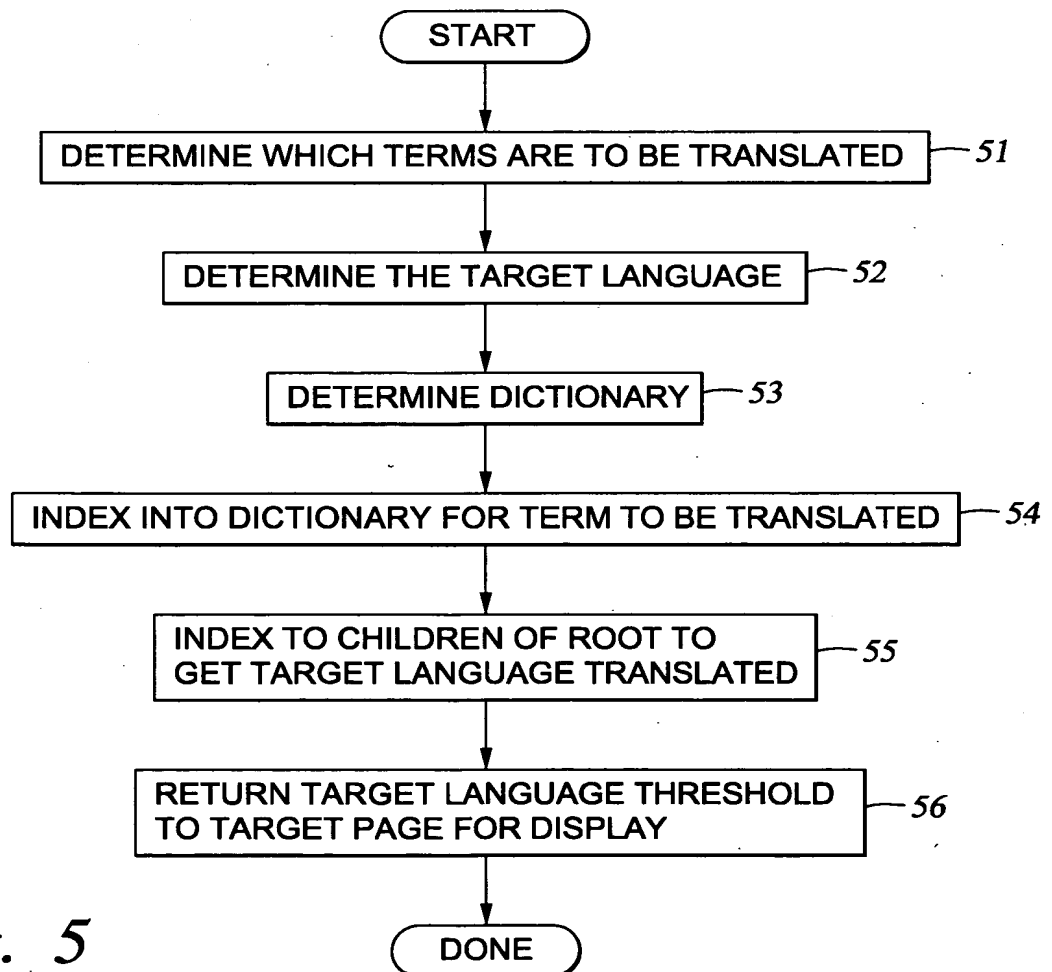
Fig. 6

```
1   <?xml version="1.0" ?>
2   <?xml-stylesheet type="text/xsl"?>
3   <locale>
4   <openDescription>
5   <en-us>Welcome to the Address Book Demo</en-us>
6   <de>Something in German</de>
7   </openDescription>
8   <userid>
9   <en-us>User Name</en-us>
10  <de>Benutzername</de>
11  </userid>
12  <password>
13  <en-us>Password</en-us>
14  <de>Passwort</de>
15  </password>
16  <logonbutton>
17  <en-us>Logon</en-us>
18  <de>Anmelden</de>
19  </logonbutton>
20  <description>
21  <en-us>Once you have logged on you can do the following :</en-us>
22  <de>Something in German</de>
23  </description>
24  <chgpwd>
25  <en-us>Change your Password</en-us>
26  <de>Something in German</de>
27  </chgpwd>
28  <updateAddress>
29  <en-us>Update your AddressBook</en-us>
30  <de>Something in German</de>
31  </updateAddress>
32  </locale>
```

Fig. 7

```
1    <html>
2    <head>
3    <xml id="logon">
4        <logon>
5            <userid>menke</userid>
6        </logon>
7    </xml>

8    </head>
9    <body onloads="registercallbacks()">
10   <div nlsid="openDescription">Something in German</div>
11   <form id="logon">

12   <label nlsid="userid">Benutzername</label>
13   <input type="text" dataSrc="logon" dataFld="userid">

14   <br>
15   <label nlsid="password">Passwort</label>
16   <input type="text" dataSrc="logon" dataFld="password">
17   <br>
18   <button nlsid="logonbutton" type="submit" onclick="logonHandler()">Anmelden</button>

19   <p>
20   </p>
21   <div nlsid="description">Something in German</div>
22   <ol>
23       <li nlsid="chgpwd">Something in German</li>
24       <li nlsid="updateAddress">Something in German</li>
25   </ol>
26   </form>
27   </body>
28   </html>
```

Fig. 8